

The Warren Watson Tire & Rubber Co.
Successor to

Pull-It-Out
The little thing with the big pull

The
Little Thing with a Big Pull.

DELION TIRE SALES CO.
Distributors.

203 Allyn Street, HARTFORD, CONN.

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by

Pull-It-Out
The little thing with the big pull

Sales Company
2018 Market St. St. Louis, Mo.



Pulls You Out of Trouble

¶ Pull-U-Out is a new mechanical device that multiplies man's power by 73. It makes heavy lifting or pulling a boy's work. Thirty pounds pressure on the crank will lift one ton.

¶ With it, one person, unaided, can pull a big touring car out of ditch or hub-deep mud, or right the car if overturned.

¶ Because of its light weight (only 28 pounds), and its great leverage and long reach, Pull-U-Out will revolutionize present methods of hoisting.

¶ Because it will operate in any position, and will pull horizontally as well as lift, Pull-U-Out opens a big field of usefulness not heretofore filled by any single device.

¶ Pull-U-Out consists of a substantial winding drum, a lever ratchet crank, a steel cable, a pulley, two 7-foot chains and three stakes.

¶ Three stakes make Pull-U-Out serviceable anywhere. They are the "hitching post" to which you can tie, no matter where you are nor in what position you may be. These stakes are the most astonishing part of Pull-U-Out. They hold their ground in a truly marvelous way; but this is a story in itself, and is told on another page.

Does jobs no other machine can do

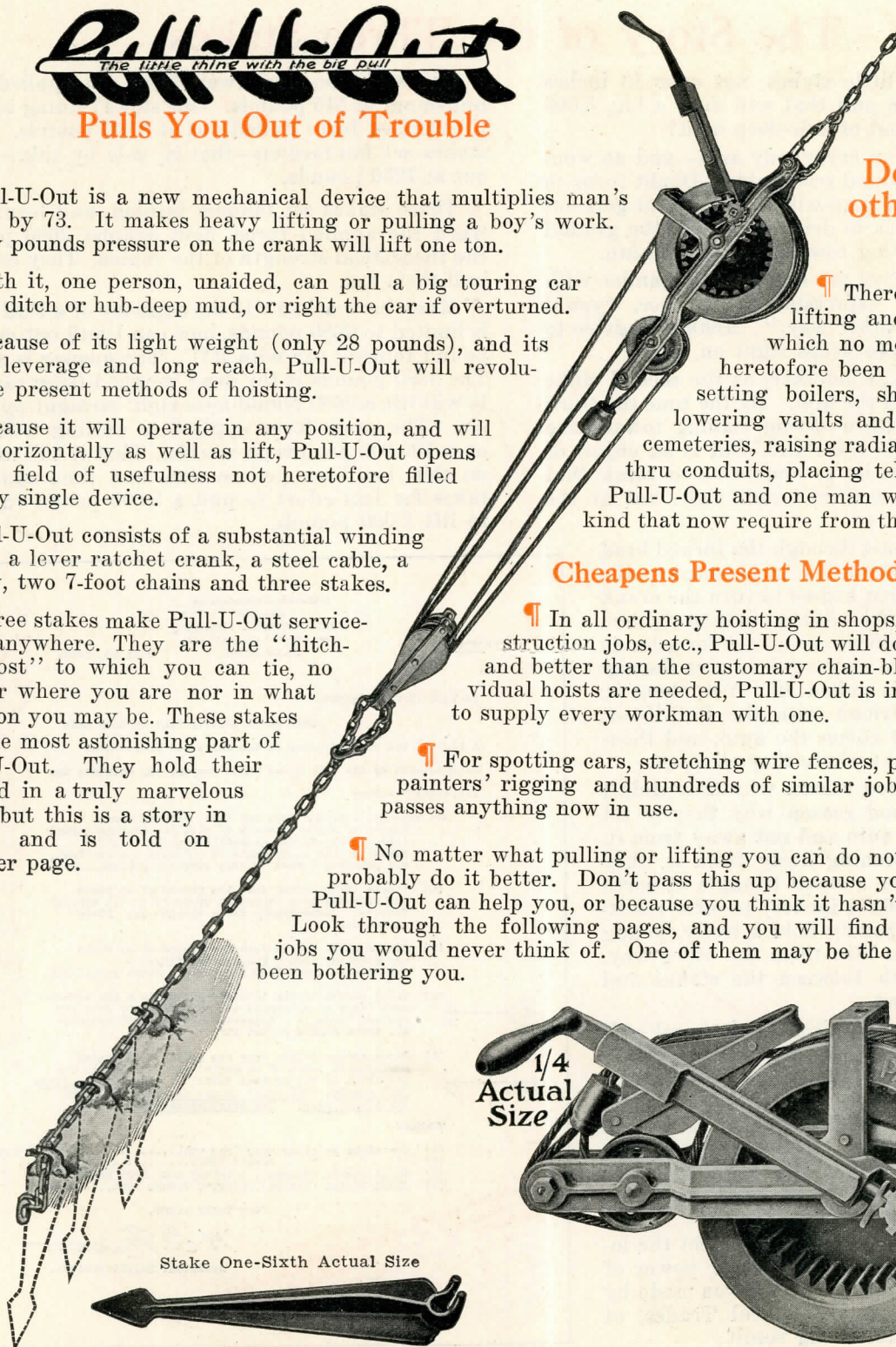
¶ There are hundreds of lifting and pulling jobs for which no mechanical help has heretofore been provided—such as setting boilers, shifting machinery, lowering vaults and setting stones in cemeteries, raising radiators, pulling wires thru conduits, placing telegraph poles, etc. Pull-U-Out and one man will do jobs of this kind that now require from three to a dozen men.

Cheapens Present Methods of Hoisting

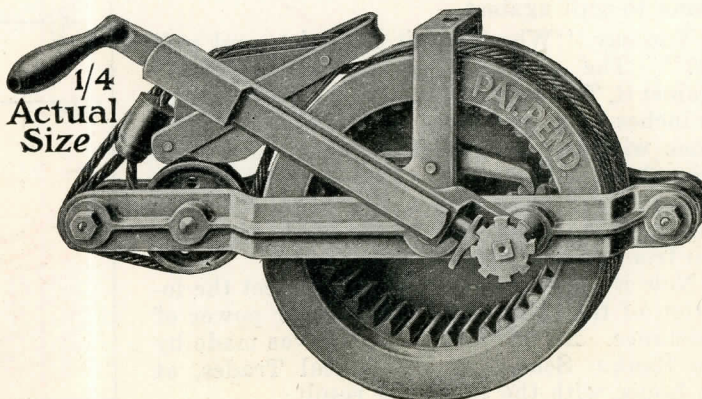
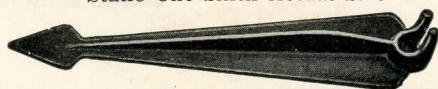
¶ In all ordinary hoisting in shops, factories, on construction jobs, etc., Pull-U-Out will do the work quicker and better than the customary chain-block. Where individual hoists are needed, Pull-U-Out is inexpensive enough to supply every workman with one.

¶ For spotting cars, stretching wire fences, pulling stumps, for painters' rigging and hundreds of similar jobs, Pull-U-Out surpasses anything now in use.

¶ No matter what pulling or lifting you can do now, Pull-U-Out will probably do it better. Don't pass this up because you can't see where Pull-U-Out can help you, or because you think it hasn't capacity enough. Look through the following pages, and you will find Pull-U-Out doing jobs you would never think of. One of them may be the very job that has been bothering you.



Stake One-Sixth Actual Size



The Story of the Three Stakes

¶ How can three little stakes, not over 13 inches long, hold against a pull that will drag a big, 5,000 pound touring car out of axle-deep mud?

That's the question everybody asks—and no wonder; for it doesn't sound reasonable. Doubt turns to amusement when the man with a Pull-U-Out gets out his stakes and begins to drive them into the ground with the heads leaning toward the mired auto.

“Say, friend,” says the skeptical bystander with a “from Missouri” expression on his face, “you’d better lean ’em the other way.” Mistaken advice to the knowing one, who keeps right on.

“He’s dippy,” says another, as the second stake goes in a foot behind the first. By the time the third stake goes down with a strong leaning toward the auto, our friend with the Pull-U-Out is an object of pity. Could anyone be so simple as to think that those three stakes wouldn’t pull right out at the first tug?

One chain is slipped through the forked head of the stakes, and the other is fastened to the auto. Our friend then begins to turn the crank on the Pull-U-Out. The chains begin to tighten. Our skeptical bystanders are all set for a laugh—but somehow those stakes fail to give the signal, and no laugh is pulled off. Yes, there is, too; but it's our friend with the Pull-U-Out who laughs, for out comes the auto, and those stakes still stick right where they were set.

¶ Now there's a good reason why they didn't pull out—also a good reason why they're set leaning toward the auto and not away from it. If they had been leaning away from it, they would have had only a small triangle of earth (not more than 12x6x14 inches) to offer resistance. That would hardly hold a lively, young colt. But when you lean them the other way, there's all the earth between the stakes and China to pull against.

“You say, ‘Why doesn’t the other end pull up?’” The principle of leverage operates against it. Test it yourself. Tie a rope to a stick 13 inches long, and hang it over the edge of a fence with the head sticking above the fence only about half an inch. Pull as hard as you please, you’ll find that a boy with his little finger on the other end of the stick can keep you from pulling up the lower end.

¶ Now it's a singular thing what effect the location of the stakes also has on their power of resistance. An authoritative test was made by the Rankin School of Mechanical Trades, at St. Louis, with the following result:

One stake leaning away from the applied force pulled out at 515 pounds. One stake leaning towards the applied force pulled out at 1100 pounds. Three stakes set fan-fashion—that is, side by side—pulled out at 1250 pounds.

Three stakes set tandem fashion, and leaning toward the applied force, held against 3680 pounds, the theoretical strength of the chains. They couldn't pull them out.

P Many have asked “If the capacity of a Pull-U-Out is limited to 3680 pounds, how can I pull out my 5000 pound touring car with it?” The answer is simple. The 3680 pounds is the dead weight lifting capacity. It will lift a 3680 pound auto right straight up in the air. The same force applied to pulling will move over 100,000 pounds on wheels. That it will actually do this, has been proven time and time again. It takes far less effort to pull a 5,000 pound car than to lift 2,000 pounds.

THE DAVID RANKEN, JR.
SCHOOL OF
MECHANICAL TRADES
FINNET, NEWSTEAD, AND COOK AVENUES
ST. LOUIS, MO.

LEWIS GUSTAFSON
SUPERINTENDENT

July 10, 1915.

TO WHOM IT MAY CONCERN:

This is to certify that we have made a test of the holding power of the malleable iron stakes manufactured by the Pull U Out Sales Company and obtained the following results:

In General: - Ground damp but firm; Pulling ropes formed an angle of about 5° with the average ground line. All forces gradually applied. All stakes driven at an angle of 15° with the vertical, and pointing toward or away from the pulling ropes.

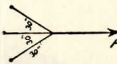
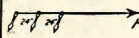
(a) Single stake driven into the ground at an angle and pointing in a direction opposite to the applied force; - Approximate force 515 pounds; Stake pulled out.

(b) Single stake driven into the ground at an angle and pointing toward the applied force; - Approximate force 1100 pounds; - Stake pulled out.

(c) Three stakes driven into the ground in a fan arrangement (each at an angle) and pointing away from the applied force; - Approximate force 1250 pounds; - All three stakes pulled out.

(d) Three stakes driven into the ground in a tandem arrangement (each at an angle) and pointing in the direction of the applied force; - Approximate force 3680 pounds, (the limit of the apparatus at hand) All stakes held; The third stake unmoved.

** Note that the tenacity of the stakes was not tested to the limit, as the chain which was used a quarter strain then 3/8". We think it is apparent to pull an object several times that weight.*

SUMMARY

(A) One stake pointing away from pull..... 515 pounds
(B) " " " toward pull..... 1100 "
(C) Three stakes (fanned), pointing away from pull... 1250 "
(D) THREE STAKES (TANDEM) POINTING TOWARD PULL..... 3680 "

Very truly yours,
H. G. Martin
Assistant Superintendent.

*The Ranken School is the largest and best equipped mechanical trades school in the West. Its tenacity of strength of metals is included in the training given their students. They are expected and their finding is final - there is no higher authority.
R.H.O.G.*

**Don't wait for this
to happen
to you.**

Every motorist needs a Pull-U-Out.

¶ No automobile driver knows when he will get stuck in the mud, or run into a ditch, or be overturned. Even those who do not tour sometimes get on an unpaved street, or skid from a paved street into trouble.

¶ A tourist is absolutely independent of road conditions if he carries a Pull-U-Out. Motorists living in smaller places must, of necessity, get onto country roads almost daily. Doctors must go everywhere, regardless of roads. In urgent calls it might be fatal to be stalled. Salesmen using autos in making their rounds are in constant danger of getting stuck. Farmers with autos have this same peril continually before them.

¶ When you get stuck in a hole, or run into a ditch, you have to go for help, unless you have a Pull-U-Out along. You may have to walk miles to get help. It may be raining. Your wife and family may be with you. They may be in distress. You're up against it. If you're very fortunate, another motorist may happen along and pull you out. He hitches on, and you both start your engines. The wheels spin, and the tires get hot and worn.

You may finally get your auto out—but at what cost! Damaged tires on both machines, strained engines, transmissions and differentials—to say nothing of wasted gasoline.

¶ If you go for help, it not only takes time but you must pay for it, too. By the time you're out, it has cost you more than the price of a Pull-U-Out—and you've nothing to show for it but an uncomfortable time and maybe some damaged clothes.

¶ But if you have a Pull-U-Out you're independent. You can set your stakes, hitch on to your car and in less time than it takes to tell it you're out of trouble and nothing is damaged—not even your clothes. It has cost you nothing but a few moments of easy work. The peace of mind which a Pull-U-Out in the tool box insures to a motorist is, alone, worth the price of the machine.

¶ Automobiles sometimes get overturned. If some unfortunate is pinned beneath the car, quick release may save a life that would be lost if you had to go for help. Think of your anguish if the victim is a member of your family—some one near and dear to you.

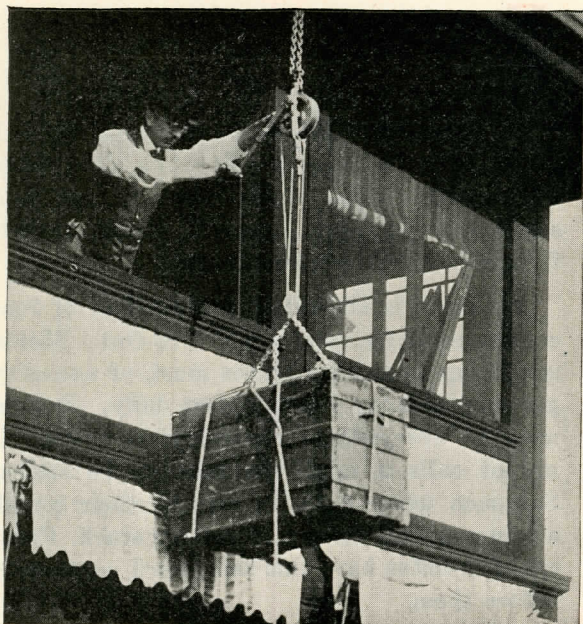
¶ Under such circumstances, a Pull-U-Out is worth more than its weight in gold. When the pinch comes you'd gladly pay any price for the immediate help Pull-U-Out would give. Take no chance on this. A few dollars wisely invested now will provide all the help you need in your hour of trouble.

¶ A tow-line is now recognized as a necessary equipment for every auto. Pull-U-Out owners do not have to buy an extra tow-line, because the two 7-foot chains which form part of Pull-U-Out, hooked together, make the finest possible tow-line.



Fostoria, O., 8-11-15
Dear Sirs:
I received your Pull-U-Out device, and I think it is just the thing for all tourists. Am taking it with me to California, leaving tomorrow.

Yours truly,
(Signed) H. J. Adams



Handy about house or garage

¶ In the private garage, Pull-U-Out is useful in a hundred ways. It is better than a jack for changing tires; for if the car shifts, it will not drop as it would if a jack were upset.

¶ For lifting tops, or changing bodies, Pull-U-Out is the best help you can get.

¶ You may not often carry a heavy trunk, or other bulky or weighty object in your auto, but when it is necessary Pull-U-Out will take the heavy lifting off your shoulders, and put the load in the tonneau without risk of scratching the enamel.

¶ If your driveway is steep, and heavily loaded wagons are hard to get up (especially in winter when it is hard for horses to find foot-hold), Pull-U-Out will do the lion's share of the pulling and make it easy for the team.

¶ If your stairway is narrow and winding—if your wife is afraid the baggageman or the furniture man may jab a hole in the wall—just take the trunks or the furniture up from the outside with Pull-U-Out, and avoid all possibility of an accident.

¶ These are only a few suggestions. Your own problems and experiences will teach you hundreds of other ways in which Pull-U-Out will pay for itself over and over again about the place.

As others see it

Last February I bought a Pull-U-Out and put it under the seat of my machine. It was so light I did not have much faith in it.

Got stuck in the mud last Sunday, the first since I bought the Pull-U-Out. Was two miles from nowhere, and by myself. I rigged up the outfit, and was out in a short while.

At first I forgot to let off my brakes, and was pulling the machine out with the hind wheels dragging, although my machine weighs 3190 pounds without driver.

I heard that another party got stuck in that hole a few minutes after I left, and stayed there from about 5 p. m. until 9 p. m.

N. J. BOSTICK,
Lawrenceburg, Va.

July 14, 1915.

Had occasion to use it a few days ago. A lady friend of ours ran her big seven passenger car head-long over an embankment. The Pull-U-Out brought her car back into the road with all ease. The bystanders protested that the stakes would not carry the weight—but they did.

(Signed) P. BEEKMAN,
Natchez, Miss.

Nov. 10, 1915.

Pull-U-Out stood a hard pull twice, the last time pulling a car out of the mud that a team of good horses could not have moved.

(Signed) T. B. ESTILL,
Bridgeport, Neb.

Nov. 3, 1915.

Grand Forks, N. D., Oct. 13, 1915.

Gentlemen—Received the Pull-U-Out in good condition, and am much pleased with it although I have not had time nor opportunity to give it a real test yet—at least not with the stakes.

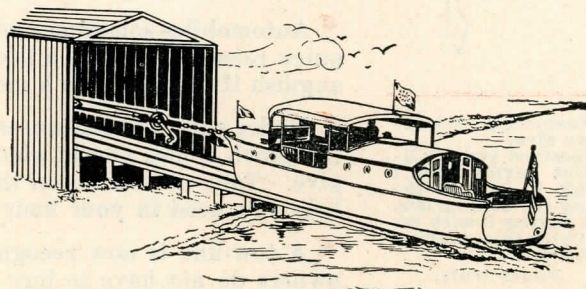
I did test it in pulling my car up the garage incline approach, with chain fastened to beam in garage, and it worked nicely, smoothly and with little effort. Will try it out with the stakes at the earliest opportunity and write you again.

Yours truly,
(Signed) G. H. OLMSTED.

Albuquerque, N. M., Sept. 8, 1915.

Gentlemen—I can recommend your machine very highly, and feel that the possession of it is good insurance against being stuck.

Yours very truly,
(Signed) H. T. ROBINSON,
Supt. of Irrigation.



Fine for pulling boats out of water

Indispensable in Public Garage or Repair Shops

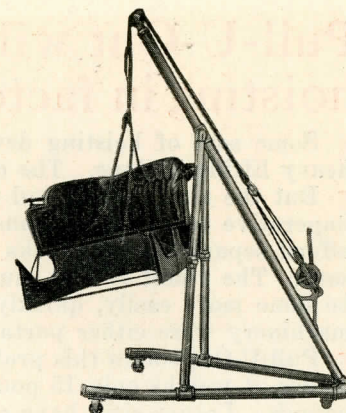
¶ In the public garage and repair shop, no tool is more used, or saves more time and labor, than Pull-U-Out.

¶ Fitted to a light, portable crane, Pull-U-Out can be made instantly available for heavy lifting in any part of the garage or shop. Heavy objects, picked up by Pull-U-Out, can be moved on this portable crane and set down in another part of the shop or garage as easily as one could push a hand truck about. For prices on these portable cranes, see page 11.

¶ Pull-U-Out can also be made available in all parts of garage or shop by placing ring-bolts or hooks in the ceiling beams above all places where heavy lifting is to be done. A Pull-U-Out rigged on a 4x4 with a hook on upper end can easily be moved about by one man, and can be used wherever a ring-bolt or hook has been so placed.

¶ In all kinds of repair work—in removing and replacing engines, in changing bodies, in lifting heavy vulcanizing frames, in putting in new axles, and even in so simple and frequent a job as changing tires—Pull-U-Out is always helpful. It is far better than the chain-block which costs three times as much; for it is much lighter and more portable (which makes it possible to use it more easily in more places about the shop); it can be used for pulling as well as for hoisting, and, moreover, its reach is much greater than that of the chain-block.

¶ Pull-U-Out is invaluable in the wrecking car. There is nothing like it for quickly and easily righting overturned cars, or pulling a mired auto out of the mud. In such work it very quickly repays its cost by the saving of time it effects—say nothing about avoiding the tremendous wear and tear on tires spinning in the mud when you try to get the mired auto out with its own power, or that of the wrecking car. You don't always charge your customer for the damage done your wrecking car tires—do you? But you have it to pay for, all the same.



Springfield, Mo., July 20, 1915.

Gentlemen—Several days ago we received the Pull-U-Out machine, and it certainly has been a great help to us in unloading our machines. The day we received this machine we unloaded a carload of Hudsons, and we think it was worth the price to us just that one day. We have decided we can use another of these machines here in our business very easily; so **please send us another one at once.**

Yours truly,

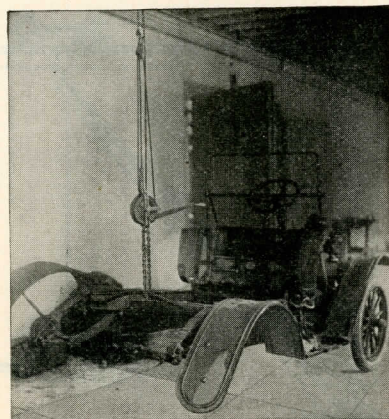
(Signed) SAM HERRICK.

Nebraska City, Neb., 10-15-15

Gentlemen—As I have one of your Pull-U-Outs and have it in use in the shop which does the business right, I used it to raise a car the other day that turned upside down with all four wheels in the air. My man, who weighs only 150 pounds, raised and put this car back on its wheels while I did nothing but look to see if the cable would break; but it did not. Would not do without it, as it is the best tool I have in the shop.

Yours truly,

(Signed) A. W. NEIHART.



PULL-U-OUT SALES CO.,
2018 Market Street, City:

Gentlemen—We have recently had some very interesting Pull-U-Out experiences. Two of our Sterling bodies for shipment to Chicago had to be loaded into a freight car—a job that ordinarily required the services of 8 men.

We drove the automobiles, from which the bodies were to be shipped, to the side of the box car; attached a Pull-U-Out to the ceiling and hooked on the bodies. Although they weighed 1500 pounds each, one man easily swung and lifted them into the car. **We figure that this one experience saved us more than double the cost of the Pull-U-Out.**

We now use it for practically all of our heavy work in the garage, finding it vastly superior both with respect to power and ease of handling, than any chain-fall or similar device we have ever used.

Not long ago in an attempt to pull out a badly mired car, which had gotten its steering rod broken and axle sprung, we found **ourselves** stalled with the tow car. Here again Pull-U-Out proved a much needed friend, for it enabled us to pull out both our tow car and the stalled machine. Then with the aid of the Pull-U-Out chains, we towed our cripple a mile and a half to the garage.

During our many years experience in the service end of the automobile business, we candidly say that we have never seen a device that answers so many purposes and practical uses around a garage as Pull-U-Out. It's giving the utmost satisfaction and is always on the job.

Very truly yours,

STERLING SUPPLY & SERVICE CO.,

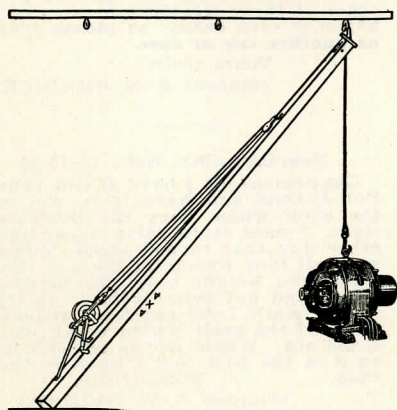
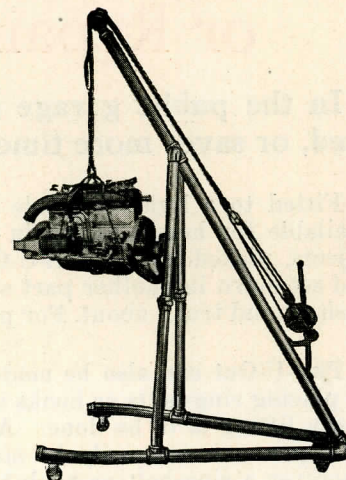
By Guston Starman, Mgr. Mech. Dept.

Pull-U-Out will revolutionize present methods of hoisting in factories and shops

Some sort of hoisting device is necessary in every factory where heavy lifting is done. The chain-block is usually employed.

But the size, weight and cost of the ordinary chain-block make it imperative to rig it permanently in one spot; and few factories can afford separate chain-blocks for all the places where lifting is necessary. The result is that much lifting is done manually which might be done more easily, quickly and economically by machinery—if the machinery were either portable or sufficiently multiplied.

Pull-U-Out solves this problem perfectly. Without auto chains and stakes, it weighs only 15 pounds; yet it has a lifting capacity of 3000 pounds. Larger sizes have greater capacity, up to three tons. When rigged to a light, portable crane, Pull-U-Out is instantly available for lifting in any part of the shop. Heavy objects picked up by Pull-U-Out can be moved on this portable crane and set down in another part of the shop without loss of time or necessity of loading onto truck for transporting. We are prepared to supply these portable cranes at a very moderate price. See page 10.



Pull-U-Out can be rigged on a 4x4, and moved easily and quickly from place to place throughout a whole factory floor, swung from ring-bolts or hooks screwed into the ceiling beams above the spots where heavy lifting is to be done, and made to do the work of a dozen chain-blocks—do it better, more quickly, and at a mere fraction of the cost of equipment. Used on an overhead track, Pull-U-Out lifts and transports heavy objects with ease and dispatch.

Moreover, the very low cost of Pull-U-Out makes it possible to rig a separate Pull-U-Out, if desired, over each machine or beside each operator who does even moderately heavy lifting. The time and labor thus saved will show plainly in the quality and quantity of the work turned out. In this capacity, Pull-U-Out is an efficiency device of the very best kind.

Pull-U-Out is superior to the ordinary chain-block, also, in its greater reach. Pull-U-Out lifts 10 feet and pulls 17½ feet; while the chain-block's greatest reach is but 9 feet. Pull-U-Out also works equally well in any position, and pulls as efficiently as it hoists, while the chain-block is designed solely for hoisting.

St. Louis, Mo., Nov. 23, 1915.

Gentlemen:—The demonstration your representative gave us on hoisting radiators at the Missouri Athletic Club, this city, has proven to us that Pull-U-Out is adaptable to our class of work; and are, therefore, enclosing our order No. 5052 for one of your machines.

Our reason for being so well pleased with your machine is that it can be erected so as to enable us to get a pull or a lift in very crowded or limited spaces.

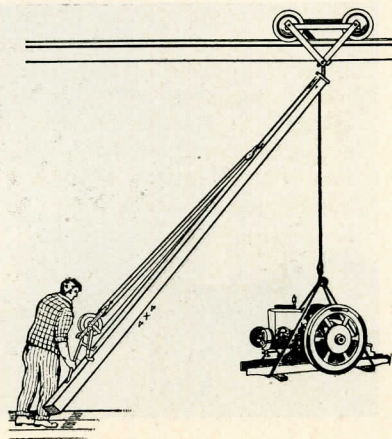
Yours very truly,

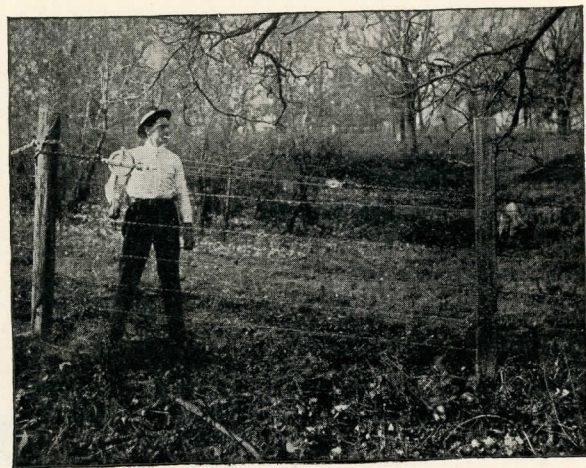
F. E. NEWBERY ELECTRIC CO.
(Signed) Per William Thompson,
Mechanical Engineer.

For any use we have ever tried to put the Pull-U-Out to, it has been there with its share of the work. Would much rather have it than a chain-block; for it is very easy for one man to handle, and will lift most any load with the use of but one hand.

Dec. 6, 1915.

HAUGHT & HARWOOD,
Beckley, W. Va.





The farmer has use for Pull-U-Out every day

No man finds Pull-U-Out more valuable than does the farmer

¶ Before he has had it on his farm a week he wonders how he ever managed to run the place without it. It helps him in a hundred ways, simplifies his work, and makes possible many things he had never dreamed of attempting.

¶ For instance it's the finest wire fence stretcher ever invented. It beats block-and-tackle all to pieces; for it is not only many times more powerful, but it is more quickly set up and quite as portable. It will strain a very long stretch of wire fence into place, and takes a mere fraction of one man's strength to do it. You can stretch wire to the breaking point with Pull-U-Out. It makes the finest looking and most durable wire fence, because, owing to its ability to stretch more of the fence at a time, it more perfectly equalizes the strain upon wire and posts than a weaker stretcher can.

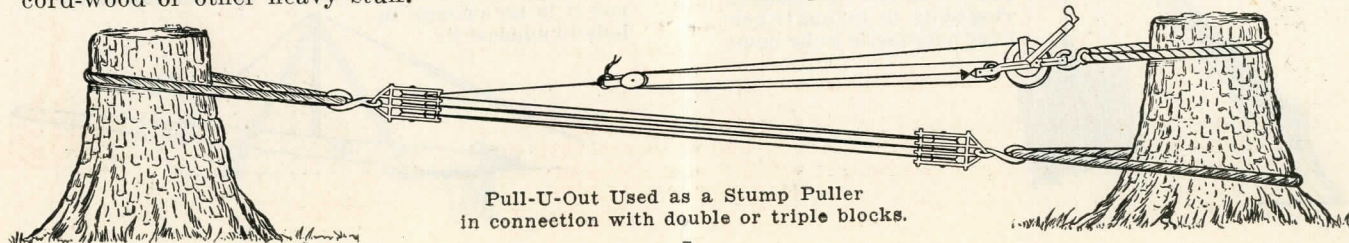
¶ Pull-U-Out has no equal for lifting wagon-beds and hay racks on and off the running gear. It is invaluable at butchering time, lifting the heavy carcasses of hogs or beef as easily as though they were bundles of loose straw. It saves a world of back-ache in loading baled hay, baled cotton, sacked wool, sacked grain, cord-wood or other heavy stuff.

¶ Pull-U-Out is just the thing for lifting a sick animal off its feet for treatment. The veterinarian finds it indispensable for this purpose; and the farmer must often be veterinarian to his own stock.

¶ Pull-U-Out "just laughs" at a stalled wagon. Sometimes in winter a loaded wagon freezes in its tracks over night. Pull-U-Out will start it loose in three minutes, and save stalling the horses, ruining a good axe, or putting one in a bad temper for a day.

¶ Pull-U-Out is a splendid stump puller. Used in connection with an extra pulley and cable, it puts a slow, unyielding strain upon the roots that, helped by a few blows with axe or mattock, quickly lifts the oldest "settler" from the soil.

¶ The farmer can use Pull-U-Out for a hundred things by rigging it to a light, portable tripod made of 4x4s, or to a swinging boom of 4x4s fastened to the barn. On the farmer's frequent trips to town, he can stow Pull-U-Out in the tool box of his auto and be absolutely independent of road conditions.



Pull-U-Out Used as a Stump Puller
in connection with double or triple blocks.

A few suggestions of how Pull-U-Out may be used

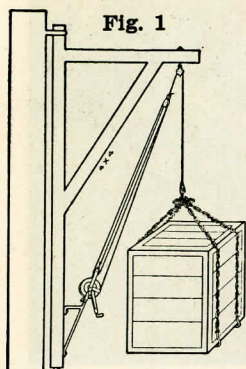


Fig. 1

On a Swinging Boom

Fine for loading and unloading at factory or shipping room door. Great for raising ashes and other things from basement direct to wagon. A wonderful help on the farm.

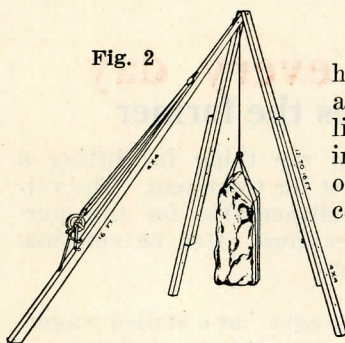


Fig. 2

On 4x4 Tripod

Splicing gives any height desired. Makes all kinds of out-door lifting possible. Also inside lifting where no other means of support can be used.

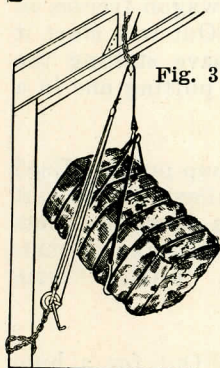


Fig. 3

A Quick Hitch

Showing adaptability of Pull-U-Out. Will work in any position. All it needs is a place to tie to. Can be used where nothing else can.

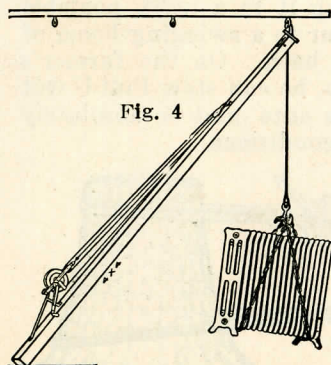


Fig. 4

On Ceiling Ring-Bolts

Pull-U-Out rigged to a 4x4 can be easily carried about by one man and used any place desired by putting ring-bolts in ceiling wherever hoisting is to be done.

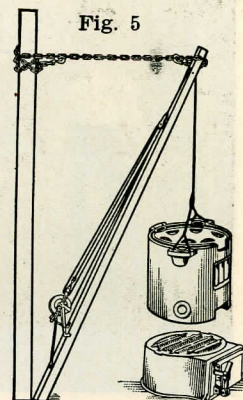


Fig. 5

Fastened to Post

Pull-U-Out rigged to a 4x4 can be set against post or wall and supported from top in this manner. Great for setting boilers and similar jobs.

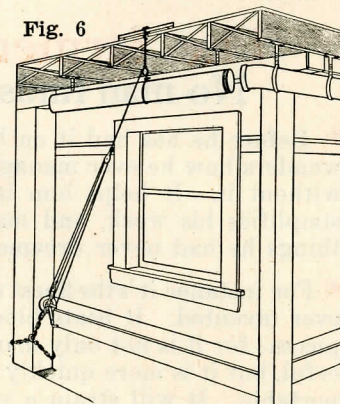


Fig. 6

For Ceiling Pipes

Wall radiators, etc. Hitch to anything available. Makes this a one-man job, and saves time, labor and hard work.

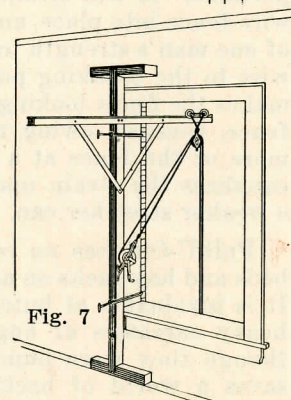


Fig. 7

Hoisting From Outside

A frame made of 4x4s fitted with section of overhead track and held to window frame with clamps. Makes quick and easy work without injury to wall or window frames.

For Setting Poles

Ordinarily a job for a dozen men. Pull-U-Out and three men can do it. When pole reaches top of tripod it is far enough in hole to support it.

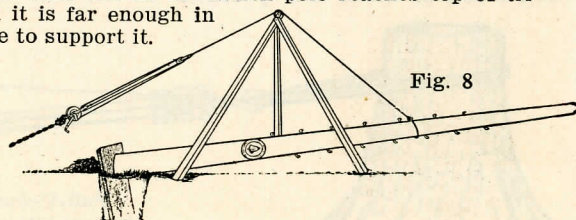


Fig. 8

Several Uses for Pull-U-Out



Setting Grave Marker
With Pull-U-Out

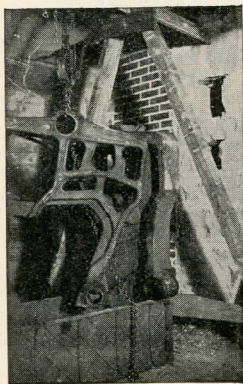
Quarrymen and Cut Stone men use Pull-U-Out to splendid advantage for handling blocks of stone, lifting machinery, etc. There's nothing like Pull-U-Out for setting grave markers, grave stones or monuments and heavy building stone.

Painters should each have at least a pair of Pull-U-Outs for lifting and lowering scaffolds. Pull-U-Out can't slip. It works with a ratchet, and leaves no chance for a fall. It's better for the painter than a life insurance policy, for it protects him as well as his family. It doesn't simply pay for injury or death, it prevents them.

Plumbers need Pull-U-Out for loading and unloading heavy supplies of pipe and for handling big bath tubs and other heavy plumbing supplies. It's the best device a plumber ever tried for drawing rusty pipes in repair jobs, etc.

Telephone and Telegraph Companies find nothing that equals Pull-U-Out for setting the heavy poles in place. It is the handiest thing ever invented for stretching wires or for pulling them thru conduits; for loading or unloading bales of wire, kegs of nails, or other heavy material.

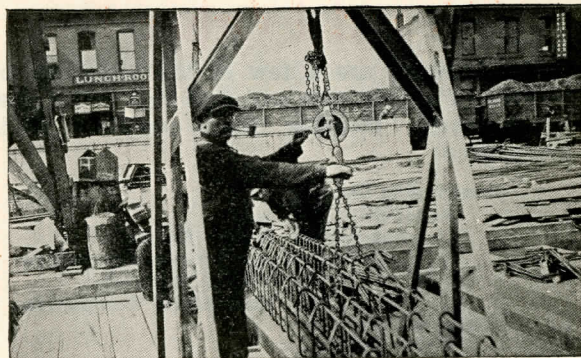
Elevators and Shippers need Pull-U-Out for spotting cars. It beats the old pinch-bar a thousand miles.



Setting Boiler With
Pull-U-Out

Safe Companies use Pull-U-Out for handling heavy safes. It loads and unloads them with perfect ease and safety.

The Boiler Maker needs Pull-U-Out all the time for handling boilers. One man with Pull-U-Out and a little steel cable can handle any boiler while it is being riveted; and Pull-U-Out is the only practical machine for setting boilers when they're finished.



Pull-U-Out in use on Concrete Construction Work

Bridge and Construction Engineers need Pull-U-Out daily for handling heavy timbers, placing steel beams, heavy stones and other construction material. With the three little steel stakes as anchor, Pull-U-Out is the finest thing ever used for moving the concrete mixer quickly, easily and inexpensively. Pull-U-Out is useful all the time, and in a thousand different ways, on a construction job.

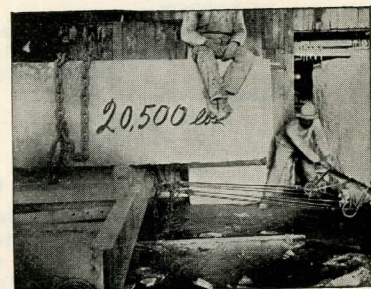
Vehicle Paint Shops need Pull-U-Out to lift heavy vehicles, take off wagon beds and put them on, etc.

Undertakers find Pull-U-Out just the thing for lowering heavy concrete vaults into place.

Steamboats need Pull-U-Out for handling heavy freight, warping up to docks, etc.

The Warehouseman needs it for handling heavy bales of goods.

Apartment Houses can use Pull-U-Out to remove ashes from cellar to wagon at one operation; also for raising and lowering trunks and other heavy objects.



Shifting Marble Blocks for Sawing
2 Pull-U-Outs used owing to great
width of frame holding blocks

Ships can use Pull-U-Out for lowering boats from davits, and for loading heavy freight—especially in close quarters.

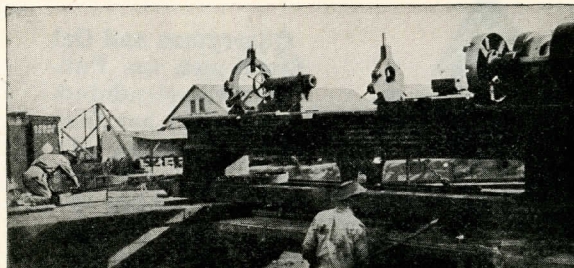
Sewer Contractors find Pull-U-Out a big help in lowering sections of sewer pipe into place.

Blacksmiths can use Pull-U-Out to good effect in the heavy lifting they have to do.

1000 and 1 Other Uses

Following are a few of the hundreds of classes of people who will find Pull-U-Out useful to them. Nothing like a complete list is attempted:

- Automobile Owners
 - Automobile Garages
 - Automobile Repair Shops
 - Automobile Service Companies
 - Automobile Builders
 - Automobile Companies
- Boiler Makers
 - Brick Plants
 - Bridge Builders
 - Blacksmiths
 - Builders and Contractors
 - Breweries
 - Butchers
- Carpenters
 - Cemeteries
 - Construction Engineers
 - Cotton Gins and Factories
 - Drayage Companies
 - Distilleries
- Electric Light Companies
 - Elevators
 - Express Companies
 - Factories
 - Furniture Houses
 - Foundries
- Gas Companies
 - Gas Operators
 - Hardware Companies
 - Ice and Coal Companies
 - Implement Houses
 - Iron Workers
- Lime and Cement Houses
 - Loggers
 - Lumber Companies
 - Marble and Cut Stone Works
 - Mining Companies
- Painters
 - Piano Movers
 - Plumbers
 - Railroads
 - Safe Companies
- Sand and Gravel Companies
 - Sewer Pipe Contractors
 - Street Railway Companies
 - Steamboats
- Telephone and Telegraph Companies
 - Undertakers
 - Vehicle and Paint Shops
 - Veterinary Surgeons
- Wharves
 - Warehouses
 - Whiskey Houses
 - Wine Merchants
 - Wholesale Houses
 - Wrecking Companies



Taft, Cal., Dec. 15, 1915.

Pull-U-Out Sales Company,
St. Louis, Mo.,

I am sending you a print of the work I had done by the Pull-U-Out—the lathe that I am pulling is on a truck and weighs 7 tons. I loaded and unloaded with no other help than the Pull-U-Out.

J. P. SAMUELSON,
Taft, Box D, Cal.

Alton, Ill., July 14, 1915.

Gentlemen—This morning I put our machine to as severe a test as any one could ask for. I went to the Illinois Glass Co. to demonstrate. I demonstrated.

They asked me to move a car of coal. The car weighed 38,000 pounds, and was loaded with about 80,000 pounds of coal, and was on a slight up grade. They requested that I use the stakes instead of fastening the machine to rail.

I drove the stakes in the middle of the road bed (cinders), attached my machine and moved the car. It loosened the first stake so I could pull it up with my hand, but I had to use the chain to pull up the other two. So you see it did not budge them. I broke one chain, but the stakes held and I moved the car. They were satisfied, and estimated that, because of the grade, I had moved practically 150,000 pounds. Now I think that was some test.

Very truly yours,
(Signed) H. MAC. SMITH.

In regard to the Pull-U-Out which you shipped me recently, I have had but one occasion to use it, and then it was worth its cost. I recently had my car overhauled in my own garage, and used the Pull-U-Out as a hoist to take out the engine. It was perfect for this work.

DUFF GREEN,
April 3rd, 1915. Little Rock, Ark.

St. Louis, Mo., Dec. 13, 1915.

Gentlemen—In regard to the Pull-U-Outs which we purchased from you last summer, will say that they have proved eminently satisfactory in every way.

During the past summer when we were having our cars come in double deck loads we did all the unloading with Pull-U-Outs, and two men could easily handle any car we had loaded on the upper deck. We found they saved us a great deal of time, and have long since paid for themselves in this respect.

Very truly yours,
TRENTON MOTOR CAR CO.,
Per Worth Moore, Manager.

Seven styles of Pull-U-Out are manufactured

To accommodate the various demands for this sort of device. They are:

Pull-U-Out No. 1

Equippd with 40 feet of steel cable, two 7-foot chains and three stakes. Weight 28 pounds. Lifting capacity one ton dead weight. Pulling capacity over 100,000 pounds on wheels. Reach, 10 feet lift or 17½ feet of pull. Price \$15.00. F. O. B. St. Louis

USES—Pulling automobiles out of trouble; also for a light-weight, all-purpose hoist.

Pull-U-Out No. 2

Equipped with 50 feet of steel cable, two extra heavy 7-foot chains and 3 extra heavy stakes. Weight 60 pounds. Lifting capacity two tons dead weight. Pulling capacity 150,000 pounds on wheels. Reach, 12½ feet lift or 19 feet pull. Price \$25.00. F. O. B. St. Louis

Pull-U-Out No. 2X

Equipped same as No. 2, except that it has 100-foot steel cable, giving 25-foot lift or 32-foot pull. Price \$30.00. F. O. B. St. Louis

Pull-U-Out No. 2XB

Equipped same as No. 2-X, with addition of internal brake for controlling device when lowering extra heavy weight for long distance. Price \$35.00. F. O. B. St. Louis

USES—(For Nos. 2, 2-X and 2-B)—Especially built for motor trucks and extra heavy hoisting and pulling.

Pull-U-Out No. 3

Equipped with 400 feet of steel cable, no chains or stakes. Weight 75 pounds. Lifting capacity three tons dead weight. Pulling capacity 200,000 lbs. on wheels. Lift or pull, 100 feet. Price \$60. F. O. B. St. Louis

Pull-U-Out Jumbo S. P.

For stump pulling and extra heavy hoisting or pulling. Consists of Pull-U-Out No. 2-X with two 7-foot chains, two triple blocks and 100 feet of ⅜ inch steel cable, 48 ft. of ¾ inch steel anchor cable and one piece of 12-foot ¾-inch anchor cable and fittings complete, sufficient for 65 ft. reach. Pulling or lifting capacity, 10 to 15 tons. Price \$100.00. F. O. B. St. Louis

Pull-U-Out Junior S. P.

For stump pulling and heavy hoisting. Pull-U-Out No. 2-X with two 7-foot chains, two triple blocks with 100 feet of steel cable (¼ inch), 48 feet of ½ inch steel anchor cable and one piece 12-foot ½ inch steel anchor cable and fittings complete. Reach 65 feet. Pulling or lifting capacity five to eight tons. Price \$75.00. F. O. B. St. Louis

Portable Crane

Made of extra heavy tubing. Weight, complete, 250 pounds. Capacity one ton. Lift 9 feet 6 inches. Larger sizes have greater capacity and longer lift.

Shipped ready to put together. Price, complete with Pull-U-Out, \$50.00. F. O. B. St. Louis

PULL-U-OUT SALES COMPANY, Manufacturers, 2018 MARKET STREET, ST. LOUIS, MO.